Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Sunday 18 Dec 2022 until 23:59 on Monday 19 Dec 2022

Forecast Issued on Saturday 17 Dec 2022 at 15:15

Confidence: High confidence for a windy and wet day on Sunday with a rapid change to milder conditions in the evening. Moderate confidence for a period of freezing rain during the afternoon as precipitation changes from snow to rain. Mild and windy for much of Monday. Lower confidence on timings of rainfall and cloud levels.

Headline for Sunday 18 Dec 2022: Dry morning. Rain, sleet and snow moving east in the afternoon, gales expected, hazardous conditions later.

Mountain weather hazards on Sunday 18 Dec 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Cloudy	Dull	Light snow	Light snow showers (night)	Light snow showers (night)	Drizzle
Precipitation probability							
<05%	<05%	10%	<05%	30%	50%	50%	60%

Forecast for Sunday 18 Dec 2022

Weather: Mainly dry with a few clear spells overnight. Dry at dawn but quite cloudy. Strong southeasterly winds developing during the morning and a band of sleet or snow, soon turning to rain will spread east causing an ice hazard underfoot and the risk of freezing rain. Sleet and rain will turn heavy at times during the afternoon and winds strengthening to gales for a time on the higher summits, this will make for hazardous conditions on the hills with poor visibility likely too. Drier later but drizzle and fog likely to linger and snowmelt, likely to occur during the evening, will turn the ground very boggy.

Chance of cloud-free hill tops above 600m: 90% falling to 40% later, low cloud forming in association with frontal rain spreading east.

Low cloud and visibility: Initially good visibility and very little cloud below the summits but by late morning layers of cloud will start forming above 400m, becoming broken or extensive in the south, possibly more scattered around eastern hills. Visibility will turn poor or even very poor in fog patches and heavy sleet and rain.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Sunday 18 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/30 S	17/25 S	23/33 SE	29/40 SE	30/40 SE	34/46 SE	30/43 SE	25/36 S	26/39 S
300	13/23 S	14/23 SE	15/24 SE	21/33 SE	23/35 SE	29/44 SE	27/41 SE	21/34 SE	21/34 S
Valley	6/19 S	6/15 SE	6/16 SE	10/24 SE	12/28 SE	16/37 SE	15/35 SE	13/29 SE	12/30 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	1/-6	1/-5	1/-6	-1/-9	-2/-10	-0/-8	2/-6	6/1	8/4
300	2/-3	1/-4	-0/-6	-0/-7	0/-7	1/-6	3/-4	6/1	8/4
Valley	1/-2	0/-3	-0/-3	0/-4	1/-4	2/-4	3/-2	6/2	8/5
Freezing Level*	400m	100m	100m	100m	100m	400m	1700m	2200m	2500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A severe wind chill early in the day in strong winds but note how rapidly freezing level rises later in the day. Gales will cause buffeting and drive sleet and then rain into the area, with the risk of freezing rain turning things very icy. A rapid thaw is likely to begin during the evening as temperatures rise.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sat 17 Dec 2022	0mm	0mm	0.2mm

Forecast for Monday 19 Dec 2022

Weather: Feeling milder than recent weeks and a wet and windy day with gales expected on higher summits. Outbreaks of rain throughout the day and falling as rain at all levels, a rapid thaw is likely with conditions underfoot becoming very wet and water courses becoming full. Perhaps dry for a time in the afternoon and later in the evening but remaining cloudy.

Maximum wind: Southerly 25-30mph gusts 40-45mph

Chance of cloud-free hill tops above 600m: 20% rising to 50% later, more chance as rain becomes lighter later.

Low cloud and visibility: Broken or extensive low cloud layers above 3-400m in the morning, perhaps more scattered further east. Visibility will be poor in outbreaks of rain but becoming moderate later as rain becomes lighter. Cloud will thin and lift a little towards 5-600m in the afternoon with some gaps at times.

Temperature: **Valleys:** Plus 7 rising to 13 Celsius.
At 600m: Plus 7-8 Celsius
Freezing level: Above all summits

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